

Synthesis of Graft Copolymers. 10. The Grafting
of Styrene onto Polyethyleneteraphthalate
(Labsan). 11. The Grafting of Vinyl Monomers
onto Silk and Wool, by V. Korshak
RUSSIAN, per, Vysokomolekulyarnya Soedineniya,
Vol. 4, No. 11, 1962, pp 1625-1638
CEIRO/No. 6907

U. KORSHAK

Sci -
Aug 67

355-292

Modifying Wood Properties by the Method of
Resination with Copolymers, by V Korshak.
RUSSIAN, per, Tekstil'naya Promshlennost, No. 7, 1963,
pp 64-66
CSIRO/No. 6789

V. KORSHAK

Sci -
Aug 67

335-260

47
Polymerization of Acetylene Compounds
under Pressure. Part I. Polymerization
of Phenylacetylene, by V. V. Korshak,
A. M. Polyakova, M. D. Suchkova.
RUSSIAN, per, Vysokomolekulyarnye
Soedineniya, Vol 2, 1960, pp. 1246-8.
NTC 69-11549-07C

V. V. KORSHAK

Sci-Chem
July 69

386,625

Polydispersity and the Structure of
the Polydiphenylmethylenes Chain, by
W. Korshak, S. A. Pavlova, S. L. Susin
D. G. Volkovich.
RUSSIAN, per, ~~Vysokomolekululyarnye Soedin-~~
~~eniya~~, Vol 6, 1964, pp 1341-52.
SLA 86-14624

V. V. Korshak

331, 489

Sci - Chem
Jul 67

Abstract of
Properties of Co-Polyamides as a Function of Their
Composition, by V. V. Korshak, T. M. Frunze, V. A.
Makarkin, E. A. Krasnyanskaya

Elemento-Organic Compounds Institute Acad. Sci., USSR

CIA/FDD X-2731

Inorganic Compounds of High Molecular Weight, by
V. V. Korshak, K. K. Mozgova, 57 pp. UDCI

RUSSIAN, per, Uspekhi Khim, Vlo XXVIII, No 7,
pp 783-818.

Sci - Chem

May 60

X ATIC MEL-413/V

OSIR LLUM. 1348
(Loan)

116,449

75
Synthesis and Investigation of Properties of
Certain Homogeneous and Mixed Polybenzimidazoles,
by V. V. Korshak, T. M. Frumze, et al, 6 pp.
RUSSIAN, per, Vysok Soyed, Vol VI, No 7,
1964, pp 1231-1235. 9897293
KTR-11-64-1356

Sci-Chem
Jul 65

282,758

Advances in the Synthesis of Heat-Resistant
Polymers, by V. V. Korshak, Ye. S. Krongauz.

FOR OFFICIAL USE ONLY 89 pp.

RUSSIAN, per, Uspekhi Khimii,

Vol XXXIII, No 12, 1964, pp 1409-1464.

9598245-V

ESTC 581-TGS-527

JPRS 30240

V. V. Korshak

Sci-Phys
Oct 65

290,255

54
Polyarylates, by V. V. Korshak and B. V.
Vinogradova, 61 pp.
RUSSIAN, bk, Polyarilaty, 1964, pp- 3-72.
JPRS 33612

V. V. Korshak.

USSR
Sci-Chem
Jan 66

293,980

Study of the Formation Reaction of
Polybenzimidazoles, by V. V. Korshak, et al. 40
RUSSIAN, per. Dokl Akad Nauk SSSR,
Vol CXLIX, No 1, 1965, pp 104-106.
NASA TT P-10,174

V. V. Korshak

Sci-B&M
Jul 66

306,532

Synthesis and Structure of Polymeric Compounds
Obtained From Saturated Alkylaromatic Compounds,
by V. V. Korshak, S. V. Rogozhin, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1963, pp 912-921.

ECB

Sci -
May 64

259,032

Polymerization of Styrene Preirradiated in
Presence of Atmospheric Oxygen, by
V. V. Korshak, V. A. Sergeev, et al, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, 1963, pp 1100-1105.

CB

SEi
Jun 64

261,344

A New Method for the Synthesis of Polypyrrolidines.
by V. V. Korshak, G. A. Kuznetsov, et al. 7 pp.
RUSSIAN, 1962, Dokl. Akad. Nauk SSSR, Vol. CLX, No. 3,
1962, pp. 1189-1192. 000794
FTD-TT-64-24

27,
28.

Sci-Chem
June 64

248,334

News in the Synthesis of Organo-Elementary
High Molecular Compounds, by V. V. Korzhak,
24 pp.

RUSSIAN, per, Zhur Vses Khim Obshch, Vol VII,
No 2, 1962, pp 122-131. 9668627

FTD-TT-62-121

Sci-Chem
May 63

230,853

Synthesis of Polymers From Aliphatic Nitriles, by
S. L. Sosin and V. V. Korshak. 3 6 pp.

RUSSIAN, per, Iz Ak Nauk USSR, Otdel Khim Nauk,
No 9, 1962, pp 1644 - 1649

CB

Sci

Jul 63

342,315

Preparation of a Polymer From Benzylidiphenylphosphine
Oxide by the Polyrecombination Reaction by V. V.
Korshak and E. S. Krongauz, p 5

RUSSIAN, per, Iz Ak Nauk USSR, Otdel Khim Nauk, No 9,
1962, pp 1638 - 1643

CB

340,318

Sci

Jul 63

Heterochain Polyamides. Communication 33. Formation
of Mixed Polyamides From Mixtures of Acid Chlorides
at a Phase Interface, by V. V. Korshak, T. N. Frunze,
8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12,
1962, pp 2226-2235.

02

243, 159

Ecl -
Kov 03

Significance of the Hydrolysis of Some Aliphatic
and Aromatic Dicarboxylic Acid Chlorides in
Interphase Polycondensation

By W. V. Korshak, T. M. Frunze (p. 6)

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1962, pp. 1807-1812

CB

Sci

Aug 63

343,071

Levoglucozan Polyethers. I. Polymerization of Levoglucozan
and its Ethers, by V. V. Korshak.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 3, No 3
1961, pp 477-485.
*NTIS TT 71-51003

V. V. KORSHAK

July 71

Korshak, V. V. and Smirnov, R. N.
CHANGE IN THE AGGREGATE STATE OF POLYMERS
ON MERCURATION. [1962] 5p.
Order from ATS \$8.25 ATS-40P64R

Trans. of Vysokomolekul'yarnye] Soedin[eniya] (USSR)
1962, v. 4, no. 6, p. 889-893.

DESCRIPTORS: *Polymers, Physical properties,
*Mercury.

ATS-RT-3585

(Chemistry--Physical, TT, v. 9, no. 2)

63-12031

- I. Korshak, V. V.
- II. Smirnov, R. N.
- III. ATS-40P64R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

63-12031

Office of Technical Services

Studies of Films of Polyethylene Terephthalene
(Laysan) With Grafted Polystyrene, by V. V. Korshak.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CILVI, No 6,
1962, pp 1347-1349.

ELL Ref: 5828.4 1963 (10103)
(Loan)

So1 -
Jul 63

234,379

Preparation of Polyarylates from Phenolphthalein by
Interphase Polycondensation
By V. V. Korshak, S. V. Vinogradova, 26 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1962, pp. 1416-1423.

CB

Sci

Jun 63

342,619

A New Method of Synthesizing RX Polymers, by
V. V. Korsbak, S. L. Sosin, 4 pp.

RUSSIAN, per, ~~WFA~~ Priroda, No 4, 1962, pp 42-47.

JPRS 15269

Sci - Chem

212,596

Oct 62

Synthetic Hetero-Chain Polyamides, by V. V. Korshak
and T. M. Frunze, 570 p.
RUSSIAN, mono, Sinteticheskie Geterochnnye Poliamidy
1962.
IPST-2075

V. V. Korshak

Sci-MEM
Jun 66

304,141

Korshak, V. V., Vinogradova, S. V., and
Valetskii, P. M.
MIXED POLYARYLATES FROM TEREPHTHALIC
ACID, DIHYDROXYDIPHENYL PROPANE, AND ALI-
PHATIC POLYHYDRIC ALCOHOLS. Pt. 37 of Hetero-
chain Polyesters. [1963] 8p.
Order from ATS \$10.50 ATS-50Q67R

Trans. of Vysokomolekul[yarnye] Soedin[eniya] (USSR)
1962, v. 4, no. 7, p. 987-994.

DESCRIPTORS: *Esters, *Polymers, Synthesis,
Terephthalic acid, Hydroxides, Phenols, Phenyl
radicals, Propanes, Alcohols.

(Chemistry--Organic, TT, v. 9, no. 9)

63-12822

1. Title: Heterochain
polymers
2. Title: Polyarylates
- I. Korshak, V. V.
- II. Vinogradova, S. V.
- III. Valetskii, P. M.
- IV. ATS-50Q67R
- V. Title: Heterochain...
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

63-12822

Office of Technical Services

Heterochain Polyamides. Communication 32. Formation
from Mixtures of Diamines at a Phase Interface.
By V. V. Korshak, T. M. Frunze pp. 7

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11,
1962, pp. 2062-2069

CB

344,519

Sci

Sep 63

Co-ordination Polymers. IX. Metal-Containing
Polymers Based on Aliphatic Dicarboxylic
 α, α' -dihydroxydicarboxylic and α, α' -dialkoxydicarboxylic
Acids, by V. V. Korshak.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol IV, No 1, 1962, pp 20-24.

MLL Ref: 5828.4 1963 (10 107)
(Loan)

Sci - M/M

343 406

STUDY
MECHANISM OF POLYMERIZATION OF CYANO-CONTAINING
BORON
ORGANOSILICON COMPOUNDS, BY A. M. POLYANOVA,
V. V. KORESHAK, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLII,
NO 3, 1961, PP 641-644.

CB

SCI
AU 62

205,817

Polyarylates, by V. V. Korshak, S. V. Vinogradova,
20 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXX, No 4, 1961,
pp 421-462.

Cleaver-Hume Press

Sci
Jun 62

200,093

Studies in the Field of Co-ordination Polymers.
VIII. Polymers Based on Aromatic O,O' -dicarboxyl
Acids and Divalent Metals, by V. V. Korshak.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol III, No 12, 1961, pp 1808-1815.

MLL M 10007

Sci - Russ Chem
May 63

229,340

(DC-6327)

On the Synthesis and Properties of Polyacetylene,
by V. V. Korshak, V. I. Kasatochkin, A. M.
Sladkov, et al, 10 pp:

RUSSIAN, per, ~~XXXXXXXX~~ Dok Ak Nauk SSSR,
Vol CXXXVI, No 6, 21 Feb 1961, pp 1342-1344.

JPRS 10868

Sci - Chem
Nov 61

173,934

The
Effect of Certain Variables on the ~~Et~~ Polycoordination
Reaction, by V. V. Korshak, S. V. Vinogradova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 6,
1961, pp 1353-1356.

CB

Sci

May 62

195,215

Preparation of Linear Polyurethanes
Without Solvents, by V. V. Korshak, et al.
RUSSIAN, per, Plasticheskiye Massy,
1961, No VI, pp 10-11.
NLL 5828.4 1964 (10,551) (On Loan)

V. V. Korshak

Aug 65

286,419

The Copolymerization of bis-(Alkylamino)
Alkyl- or Arylboron With Organic Diisocyanates,
by V. V. Korahak, N. I. Bekasova, 8 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol III, No 4, 1961, pp 521-524. 9676329

FTD-TT-62-25

Sci - Chem

194, 120

4 May 62

Studies in the Field of Co-ordination Chain
Polymers. V. Synthesis of Metal-Containing
Bis-(β -Ketones), by V. V. Korshak.

RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol III, No 8, 1961, pp 1203-1209.

ELL Ref: 5828.4 1962 (10092)
(Loan)

Sci -
Jul 63

238, 378

The Copolymerization of B-Substituted
Borazoles With Hexamethylene Diisocyanate,
by V. V. Korshak, V. A. Zamyatina, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol III, No 4, 1961,
pp 525-529. 9676329

FFD-TT-62-25

Sci - Chem

194, 131

4 May 62

Korshak, V. V., Frunze, T. M. and others.
HETEROCHAIN POLYAMIDES. XXVIII. THE SIGNIFI-
CANCE OF HYDROCHLORIC ACID ACCEPTORS IN
THE PREPARATION OF POLYAMIDES BY INTER-
FACIAL POLYCONDENSATION. [1961] 4p.
Order from ATS \$6.25 ATS-44N53R

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 2, p. 205-207.

DESCRIPTORS: *Amides, Synthesis, Hydrochloric
acid, Condensation reactions, Polymerization,
Polymers.

(Chemistry--Organic, TT, v. 6, no. 8)

61-25347

I. Korshak, V. V.
II. Frunze, T. M.
III. Title: Significance...
IV. ATS-44N53R
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Polydispersity and the Structure of
the Polydiphenylmethylenes Chain, by
W. Korshak, S. A. Pavlova, S. L. Sosin
D. G. Valkovskii.

RUSSIAN, per, Vysokomolekulyarnye Soed-
ineniya, Vol 6, 1964, pp 1448-52.

SLA N66-14624

V. V. Korshak

331, 489

Sci - Chem
Jul 67

TT-65-63844 Field 7C, 7D

Korshak, V. V.; Mozgova, K. K.; Babchinster, T. M.
METHOD OF MODIFYING THE SURFACES OF FILMS
OF POLYTETRAFLUOROETHYLENE AND POLYTRI-
FLUOROCHLOROETHYLENE. 25 Aug 65, 6p.
FTD-TT-65-496; AD-620 792.
Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as AD-620 792

Unedited rough draft trans. of Patent (USSR)
158 063.
Patent appl. no. 776293/23-4, 27 Apr 62.

I. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

Korshak, V. V., Gribova, I. A. and others.
SYNTHESIS AND POLYMERIZATION OF ARYL
PHOSPHONITRILES AND ALKYL PHOSPHONITRILES.
[1961] 9p. 7 refs.
Order from OTS or SLA \$1. 10 61-19740

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 3, p. 377-385.
Abstract trans. available from LC or SLA as 60-23844,
AID-60-16, 19 July 60, 1p.

DESCRIPTORS: *Phosphonitriles, Synthesis, Polymeri-
zation, *Polymers, Phosphorus compounds, Phenyl
radicals, Alkyl radicals.

For abstract see Technical Translations 4: 657, 1960.

(Chemistry--Organic, TT, v. 6, no. 1)

61-19740

- I. Korshak, V. V.
- II. Gribova, I. A.
- III. Translations, New York

Office of Technical Services

TT-65-63844

Field 7C, 7D

Korshak, V. V.; Mozgova, K. K.; Babchmeister, T. M.
METHOD OF MODIFYING THE SURFACES OF FILMS
OF POLYTETRAFLUOROETHYLENE AND POLYTRI-
FLUOROCHLOROETHYLENE. 25 Aug 65, 6p.
FTD-TT-65-496; AD-620 792.
Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as AD-620 792

Unedited rough draft trans. of Patent (USSR)
158 063.
Patent appl. no. 776293/23-4, 27 Apr 62.

I. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

Korshak, V. V., Vinogradova, S. V., and
Lebedeva, A. S.

HETEROCHAIN POLYESTERS. XXVI. SOME LAWS
GOVERNING POLYESTERIFICATION AT THE INTER-
FACE BOUNDARY. 27 Apr 60 [11]p. 13 refs.
Order from LC or SLA ml\$2.40, ph\$3.30 60-18472

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2 [no. 1] p. 61-66.

Some laws were investigated governing the polyesterification at the interface boundary. The yield of polyester and its reduced viscosity increase with an increase of the intensity of stirring of the reaction mixture. The highest molecular weight of polyester was obtained on adding a solution of isophthaloyl chloride in p-xylene to an aqueous-alkaline solution of diene (0.1M concentration) during 11 minutes at about 20°C, when working with solutions of the starting substances with the same concentration. (See also 60-12618)

(Chemistry--Organic, TT, v. 5, no. 3)

60-18472

1. Carboxylic acids--
Condensation
 2. Phenols--Condensation
 3. Esters--Polymerization
 4. Title: Hetero-chain polymers
 5. Title: Esterification
- I. Korshak, V. V.
 - II. Vinogradova, S. V.
 - III. Lebedeva, A. S.
 - IV. Title: Some...

Office of Technical Services

12 518

US-14

KORSHAK V. V., et al.

Copolymerization of boron-substituted borazoles with hexa-
methylene diisocyanate

Vysokomol. Soed., 2, No. 8, p. 1287 (1960)

RJ-2653. \$ 1.50 - English

ATS-RJ-2653
Euratom

A Study of Some Relationships in Interfacial
Polyesterification, by V. V. Korshak, S. V.
Vinogradova, A. S. Lebedeva, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soedineniya,
Vol II, No 7, 1960, pp 977-983.

ATS-05245R

Sci

203, 216

Jun 62

Korshak, V. V. and others.
NEW TYPES OF LINEAR POLYMERS OBTAINED BY
THE POLYRECOMBINATION REACTION. [1960] 8p.
14 refs. M2268.
Order from LC or LA ml\$1.80, ph\$1.80 61-13750

Trans. of Symposium on Macromolecular Chemistry,
Moscow, June 60, Section I, p. 141-149.

Earlier work (Doklady Akad. Nauk SSSR 121: 299-302,
1958, available in translation from LC or LA as
59-20522; and Vysokomolekulyarnyye soyedineniya 1:
937-945, 1945, available in translation from ATS as
ATS-12M40R) on the polyrecombination reaction is con-
tinued and it is shown for the first time that linear poly-
mers can be obtained substantially free from three-
dimensional structures. Particularly suitable starting
compounds are those containing a methylene group in
the α position to the benzene ring or carbalkoxy or
carbophenoxy groups. Composition and structure are
confirmed by analytical and IR-spectrographic data.
(Author)

61-13750

1. Polymers--Synthesis
 2. Title: Polyrecombination
 reaction
- I. Korshak, V. V.
 - II. DSIR LLU M. 2268

Office of Technical Services
(Chemistry--Organic,
TT, v. 5, no. 7)

Korshak, V. V., Vinogradov, S. V. and others.
HETEROCHAIN POLYESTERS. [XXXI]. A STUDY OF
THE CHEMICAL PROPERTIES OF POLYARLATES.
[1961] 9p.
Order from ATS \$14.00 ATS-43N53R

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 1, p. 79-80.

DESCRIPTORS: *Esters, *Polymers, Chemical
properties.

(Chemistry--Organic, TT, v. 6, no. 7)

61-25177

1. Title: Heterochain
polymers
2. Title: Polyarlates
I. Korshak, V. V.
II. Vinogradov, S. V.
- III. Title: Study ...
- IV. ATS-43N53R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Korshak, V. V., Fruze, T. M. and others.
HETEROCHAIN POLYAMIDES. [XXIX]. THE IMPORTANCE OF THE HYDROLYSIS OF DICARBOXYLIC ACID CHLORIDES IN INTERFACIAL POLYCONDENSATION. [1961] 5p.
Order from ATS \$8.00 ATS-45N53R

Trans. of Vysokomolekulyarnye Soedineniya, 1961, v. 3, no. 3, p. 371-375.

DESCRIPTORS: *Amides, *Polymers, Condensation reactions, *Carboxylic acids, *Chlorides, Hydrolysis.

(Chemistry--Organic, TT, v. 6, no. 7)

61-25178

- I. Title: Heterochain polymers
- I. Korshak, V. V.
- II. Fruze, T. M.
- III. Title: Importance ...
- IV. ATS-45N53R
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Korshak, V. V., Vinogradova, S. V. and others.
A STUDY OF SOME RELATIONSHIPS GOVERNING
POLYCONDENSATION OF DICARBOXYLIC ACID
CHLORIDES WITH DIHYDRIC PHENOLS IN HIGH-
BOILING SOLVENTS. Pt. 30 of Hetero-Chain
Polyesters. [1961] 6p.
Order from ATS \$12.00 ATS-42N53R

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 1, p. 66-71.

DESCRIPTORS: *Carboxylic acids, *Chlorides,
*Phenols, Condensation reactions, Organic solvents,
*Esters, Polymerization.

(Chemistry--Organic, TT, v. 6, no. 6)

61-25041

- I. Korshak, V. V.
- II. Vinogradova, S. V.
- III. Title: Hetero-Chain...
- IV. ATS-42N53R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Synthesis of Graft Copolymers, 10, The Grafting
of Styrene onto Polyethyleneterephthalate (Larvan)
11, The Grafting of Vinyl Monomers onto Silk and
Wool, by V. Korshak.

RUSSIAN, per, Vysokomolekulyarnya Soedineniya, Vol
4, No 11, 1962, pp 38-1625

CSIRO/No 6907

V. KORSHAK.

Sci -
Aug 67

335,160

Heterochain Polyamides. XXIV. Preparation of
Mixed Polyamides at the Phase Interface, by V. V.
Korshak, et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol II, 1960, pp 673-678.

ATB 87438

Sci - Chem

Feb 61

138,277

Korshak, V. V., Vinogradova, S. V., and
Lebedeva, A. S.
HETERO-CHAIN POLYESTERS. PT. 23. A STUDY
OF SOME RELATIONSHIPS GOVERNING INTER-
FACIAL POLYESTERIFICATION. [1960] 5p.
Order from ATS \$7.75 ATS-86M45R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 8, p. 1162-1166.

141, 160

(Chemistry--Organic, TT, v. 5, no. 2)

61-12091

1. Esters--Polymerization
2. Title: Polyesterification
- I. Korshak, V. V.
- II. Vinogradova, S. V.
- III. Lebedeva, A. S.
- IV. Title: Study...
- V. ATS-86M45R
- VI. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Korshak, V. V., Zamyatina, V. A. and others.
COPOLYMERIZATION OF BORON-SUBSTITUTED
BORAZOLES WITH HEXAMETHYLENE DIISO-
CYANATE. [1960] 1p.
Order from ATS \$1.50

ATS-49M46R

Trans. of Vysokomolekularnyye Soyedineniya (USSR)
1960, v. 2, no. 8, p. 1287.

(Chemistry--Organic, TT, v. 5, no. 6)

61-12362

1. Copolymerization
2. Borazoles--Polymerization
3. Isocyanates--Polymerization
- I. Korshak, V. V.
- II. Zamyatina, V. A.
- III. ATS-49M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Korshak, V. V., Sladkov, A. M., and
Kudryavtsev, Yu. P.
SYNTHESIS OF POLYMERIC ACETYLENIDES.
[1961] 5p.
Order from ATS \$7.50 ATS-87N49R
Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 12, p. 1824-1827.

(Chemistry--Organic, TT, v. 5, no. 10)

61-22012

1. Acetylene polymers--
Synthesis
- I. Korshak, V. V.
- II. Sladkov, A. M.
- III. Kudryavtsev, Yu. P.
- IV. ATS-87N49R
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

Progress in the Synthesis of High Polymers, by V. V.
Korshak, 30 pp.

RUSSIAN, per, Uspekhi Khim, No 5, 1960, pp 569-628.

Cleaver-Burns Press

Sci

Apr 61

143,372

Heterochain Polyamides. XIII. Interfacial
Polycondensation of BIS (p-carboxyphenyl)
Phenylphosphine Oxide Dichloride With Hexa-
methylenediamine, by V. V. Korshak, et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol II, 1960, pp 633-635.

ATS 25443R

Sci - Chem

Feb 61

138,279

A Study in the Field of Organophosphorus Polymers.
IX. Polycondensation Reaction of Phosphonic Acid
Dichlorides With Dihydroxy Compounds, by V. V.
Korshak, et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol II, 1960, pp 427-432.

ATS 5041R

138,282

Sci - Chem

Korshak, V. V., Sosin, S. L., and Alekseyeva, V. P.
PREPARATION OF NEW TYPES OF LINEAR POLY-
MERS BY THE POLYRECOMBINATION REACTION.
[1960] Sp.
Order from ATS \$6.75 ATS-05M44R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,
v. 132, no. 2, p. 360-363.

(Chemistry--Organic, TT, v. 5, no. 5)

61-12320

1. Polymers--Synthesis
2. Title: Polyrecombination
- I. Korshak, V. V.
- II. Sosin, S. L.
- III. Alekseyeva, V. P.
- IV. ATS-05M44R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Studies in the Field of Coordination Polymers,
IV. Preparation of Polymers Based on
Aromatic BIS (b-Diketones) With Metals,
by V. V. Korshak, Ye. S. Krongaus, V. Ye.
Sheyna, 10 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyed,
Vol II, No 5, 1960, pp 662-672.

ATS-13M43R

Sci
Vol IV, No 7
Apr 62

192,642

Korshak, V. V., Frunze, T. M., and Kozlov, L. V.
HETEROCHAIN POLYAMIDES. XXVI. MIXED POLY-
AMIDES FROM PIPERAZINE AND ALIPHATIC AND
AROMATIC DICARBOXYLIC ACIDS. [1960] 6p.
Order from ATS \$8.55 ATS-94N47R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 6, p. 845-850.

(Chemistry--Organic, TT, v. 5, no. 7)

61-12689

1. Amides--Polymerization
2. Carboxylic acids--
Polymerization
- I. Korshak, V. V.
- II. Frunze, T. M.
- III. Kozlov, L. V.
- IV. Title: Mixed...
- V. ATS-94N47R
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

61-12693

Korshak, V. V., Frunze, T. M., and Kozlov, L. V.
HETEROCHAIN POLYAMIDES. XXV. INTERFACIAL
PREPARATION OF POLYAMIDES CONTAINING
PIPERAZINE RESIDUES. [1960] 8p.
Order from ATS \$12.45 ATS-93N47R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 6, p. 838-844.

- I. Amides--Polymerization
- I. Korshak, V. V.
- II. Frunze, T. M.
- III. Kozlov, L. V.
- IV. Title: Interfacial...
- V. ATS-93N47R
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

(Chemistry--Organic. TT, v. 5, no. 7)

TT-65-26440

Field 111

Korshak, V. V.; Gribova, I. A.; Andreeva, M. A.
ONDERZOEK OVER ORGANO-FOSFORPOLYMEREN. IX.
DE POLYCONDENSATIE VAN FOSFINYLDICHLORIDEN MET
DIHYDROOXYVERBINDINGEN (Issledovaniye v Oblasti
Fosfor Organ. polimerov. IX. O Reaktsii Polikondensatsii
Dikhlorangidridov Fosfinovykh Kislot s di Oksisoedineni-
yam). Tr. by L. Jeurissen. 11p. CBT-III-48.
Order from CBT as CBT-III-48

Trans. in Dutch of Vysokomolekulyarnye Soedineniya (USSR)
v2 n3 p427-32.
Another trans. is available in English from ATS \$9.25 as
ATS-50M41R, 1960, 6p.

I. Centre Belge de Traductions
Brussels (Belgium)

European Translations Centre

TT-65-26446

Field 111

Korshak, V. V.; Frunze, T. M.; Kozlov, L. V.
OVER POLYAMIDEN BESTAANDE UIT HETEROKETENS.
XXV. SYNTHESE IN HET GRENSVLAK TUSSEN DE FASEN
VAN POLYAMIDEN, DIE PIPERAZINE-EENHEDEN
BEVATTEN (iz Oblasti Geterotsepykh Polyamidov. XXV.
Polucheniye Polyamidov, Soderzhashchikh Ostatki Piperazina,
na Granitse Razdela Faz). Tr. by S. Verhezen. 14p.
CBT-III-56.
Order from CBT as CBT-III-56

Trans. in Dutch of Vysokomolekulyarnye Soedineniya (USSR)
v2 n6 p838-44 1960.
Another trans. is available in English from ATS \$12.45 as
ATS-93N47R, 1960 8p.

I. Centre Belge de Traductions
Brussels (Belgium)

European Translations Centre

TT-85-26444

Field 111

Korshak, V. V.; Frunze, T. M.; Kozlov, L. V.
OVER POLYAMIDEN BESTAANDE UIT HETEROKETENS,
XXVI. GEMENGE POLYAMIDEN VAN PIPERAZINE MET
ALIFATISCHE EN AROMATISCHE DICARBONZUREN
(Iz Oblasti Geterotsesnykh Polyamidov, XXVI, Smeshannye
Poliamidy iz Piperazina i Alf. i Arom. Diarbonnykh Kislot).
Tr. by S. Verhezen. 14p. CBT-III-55.
Order from CBT as CBT-III-55

Trans. in Dutch of Vysokomolekulyarnye Soedineniya (USSR)
v2 n6 p845-50 1960.

Another trans. is available in English from ATS \$8.55 as
ATS-94N47R, 1960, 6p.

I. Centre Belge de Traductions
Brussels (Belgium)

European Translations Centre

Preparation of Aselaic, γ -Ketoaselaic, and Other
Acids From Cyclohexanone and Acrylonitrile, by
V. V. Korschak, et al.

RUSSIAN, per, Zhur Obshch Khim, Vol XX, 1960,
PP 907-912.

ATE COMAR

Sci - Chem

Feb 61

138,802

Investigation of Coordination Polymers III.
Coordination Polymers of BIS (8-HY-Droxyquinolyl)
Methane, by V. V. Korshak, S. V. Vinogradova,
T. M. Babchinitser.

RUSSIAN, per, Vysokomolekulyarnyye Soyed,
Vol II, No 4, 1960, pp 498-507.

ATB-4442R

Sci
Vol IV, No 7
Apr 62

192, 641

Korahak, V. V., Zamyatina, V. A., and
Bekasova, N. I.

HETEROCHAIN POLYESTERS. XXV. INVESTIGATION OF POLYCONDENSATION IN A THIN LAYER. [1963] 8p. (figs. tables omitted) 6 refs. Order from OTS or SLA \$1.10

63-18263

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1959, v. 1, no. 11, p. 1586-1592.

DESCRIPTORS: *Polyester plastics, *Phthalates, *Condensation reactions, Thin films, Reaction kinetics, Catalysis, Heat of activation, *Ethylenes, Glycols, Evaporation, Heat transfer.

Polycondensation of polyethyleneterephthalate in a thin layer at atmospheric pressure was investigated. An inverse dependence of the reaction speed on the thickness of the layer of reacting substance was established. (Materials--Plastics, TT, v. 10, no. 11) (over)

63-18263

I. Title: Polyethylene terephthalate

I. Korahak, V. V.

II. Zamyatina, V. A.

III. Bekasova, N. I.

IV. Title: Investigation ...

005299

Office of Technical Services

Korshak, V. V., Gribova, I. A., and Andreeva,
M. A.

A STUDY ON ORGANOPHOSPHORUS POLYMERS.
VIII. POLYESTERS OF PHOSPHONIC ACIDS AND
CERTAIN AROMATIC DIOXYCOMPOUNDS. [1961]
6p. 6 refs.

Order from OTS or SLA \$1.10

62-10105

Trans. of [Vysokomolekulyarnye Soedineniya] (USSR)
1959, v. 1, no. 6 [p. 825-828].

DESCRIPTORS: *Organic compounds, *Phosphorus
compounds, *Polymers, Esters, Phosphonic acids,
Acids, Quinones, Resorcinol, Propanes, Phenyl radi-
cals, Phenoxy radicals. Synthesis, Molecular structure,
Physical properties

Polyesters of methylphosphonic, phenylphosphonic and
phenoxyphosphonic acid and aromatic dioxycompounds:
(Chemistry--Organic, TT, v. 7, no. 9) (over)

62-10105

I. Korshak, V. V.
II. Gribova, I. A.
III. Andreeva, M. A.
IV. Title: Polyesters...

266028

Office of Technical Services

Mechanism of the Polymerization of Alkenylsilanes
Containing Silicon-Attached Hydrogen, by V. V.
Korshak, A. M. Polyakova, V. F. Mirinov, et al,
12 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1959, pp 1116-1125.

CB

Sci

157,920

Jun 61

Polymerization of Hexafluoro-1,3-Butadiene, by
W. V. Korshak, A. M. Polyakova, M. D. Suchkova,
5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1959, pp 1111-1115.

CB

Sci

Jun 61

157,918

Korshak, V. V., Sosin, S. L., and Chistyakova,
M. V.

PRODUCTION OF HIGH MOLECULAR COMPOUNDS
BY THE REACTION OF POLYCOMBINATION. [1961]
10p. 15 refs.

Order from OTS or SLA \$1. 10

61-14971

Trans. of Vysokomolekulyarnyye Soyed[ineniya] (USSR)
1959, v. 1, no. 7, p. 937-944.

Another translation is available from ATS \$14. 75 as
ATS-12M40R [1960] 9p.

DESCRIPTORS: *Polymers, Synthesis, *Recombination
reactions, *Free radicals, Alkyl radicals.

(Chemistry--Organic, TT, v. 6, no. 1)

61-14971

I. Korshak, V. V.
II. Sosin, S. L.
III. Chistyakova, M. V.

Office of Technical Services

Heterochain Polyamides. XI. Synthesis and
Study of Polyamides Containing Sulfide and
Sulfone Sulfur in the Chain, by V. V. Korshak,
et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol I, 1959, pp 208-214.

ATS 3741R

138,280

Sci - Chem

Polymerization of p-Triethylstannyl- α -Methylstyrene,
by V. V. Korshak, A. M. Polyakova, E. S. Tambovtseva,
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,
1959, pp 742, 743.

CB

Sci -
May 61

152,750

Effect of Pressure on the Polymerizability of Ar-
Substituted α -Methylstyrenes. Communication 2.
p-Substituted α -Methylstyrenes, by V. V. Korshak,
L. M. Polyakova, I. M. Stolotova, 3 pp.

1959

DSSIAM, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8,
pp 1477-1479.

CB

Sci -
May 61

152,771

Effect of Pressure on the Polymerizability of Ar-
Substituted α -Methylstyrenes. Communication 1.
Polymerization of p-Substituted α -Methylstyrenes
Under Pressure, by V. V. Korshak, A. M. Polyakova,
I. M. Stoletova, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8,
1959, pp 1471-1476.

CB

Sci -
May 61

152,770

Heterochain Polyamides. ~~EM~~ Communication 9.
Preparation of Polyamides and Polyamide-Esters
From 2,2'-Alkylene (or Arylene)Bis-2-Oxazolin-5-Ones,
by T. N. Frunze, V. V. Korzhak, L. V. Kozlov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3,
1959, pp 535--539.

CB

Sci -
May 61

153, 044

Heterochain Polyesters. Communication 15. Mixed
1,4-Butanediol Polyesters of Two Dicarboxylic
Acids, by V. V. Korshak, V. V. Golobev, G. V.
Karpova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3,
1959, pp 540-545.

CB

Sci -
May 61

153,046

preparation of Graft Polymers. III. Grafting of
Vinyl Monomers to Polyamides, by V. V. Korshak,
K. Mozgova, M. A. Shkolina, 6 pp.

USSIAN, per, Vysokomolekul Soyedin, Vol I,
No 9, 1959, pp 1364-1368.

MDF K-208

c1 *mir / met*
ul 61

161,408

Polymerization of Vinylaromatic Organosilicon
Compounds. Derivatives of α -Methylstyrene, by
V. V. Korshak, A. M. Polyakova, A. A. Sakharova,
A. D. Petrov, E. A. Chernyshev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 4,
1959, pp 791-793.

Consultants Bureau

119,496

Sci

Jun 60

Heterochain Polyesters. Communication 12.
Polyesters of *m,m'* and *p,p'*-Azodibenzoic Acid,
by V. V. Korshak, S. V. Vinogradova, 5 pp.

RUSSIAN, per, Iz, Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1959, pp 148-153.

Consultants Bureau

Sci - Chem

Apr 60

113,197

Heterochain Polyesters. Communication 13.
Polyesters of p-Xylene- α, α' -Diol., by
V. V. ~~Korshak~~, S. V. Vinogradova, ~~2~~ pp.

RUSSIAN, per, Iz, Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1959, pp 154-161.

Consultants Bureau

Sci - Chem

Apr 60

113,198

Heterochain Polyesters. Communication 14. Poly-
esters of m-Xylene-*o,o'*-diol, by V. V. Korshak, U. V.
Vinogradova, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1959, pp 338-343.

Consultants Bureau

Sci - Chem

Apr 60

113,225

Polymerization of Vinyl and Allyl Compounds
of Group IV Elements, by V. V. Korshak, A. M.
Polyakova, V. F. Mironov, A. D. Petrov, 3 pp.

RUSSIAN, per, Iz, Ak Nauk SSSR, Otdel Khim
Nauk, No 1, 1959, pp 178-180.

Consultants Bureau

Sci - Chem

Apr 60

113,204

61-2066

Korshak, V. V., Moshova, K. K., and Shkolina, M. A.
 PREPARATION OF GRAFT COPOLYMERS. IV.
 GRAFTING OF STYRENE TO POLYAMIDES. [1961]
 (Sov. J. Chem. Eng.)
 Order from OTS or SLA \$1.10 61-2066

I. Korshak, V. V.
 II. Moshova, K. K.
 III. Shkolina, M. A.
 IV. Title: Grafting ...

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
 1961, v. 1 [no. 11], p. 1573-1579.

DESC BIBTOD: Polymers, *Amides, Polymerization,
 *Copolymerization, *Styrene, Physical properties,
 Chemical properties.

137212

Graft polymers were obtained from ozone-treated poly-
 caprolactam and mixed polyamide Amide G-669, and
 styrene. Several physical and physico-chemical prop-
 erties of graft polymers were studied. These differ
 appreciably from the properties of the initial polyamide.
 (Engineering-Chemical, TT, v. 7, no. 7) (over)

Office of Technical Services

From the Field of Hetero-Chain Polyamides.
XIII. Mixed Polyamides Containing Sulfur
Atoms in the Principal Chain, by T. M. Frunze,
V. V. Korshak, 8 pp.

RUSSIAN, per, Vysokomolekulyarnyye
Soedineniya, Vol I, 1959, pp 293-300.

ATS-3841R

Sci

24 Mar 62

187,782

Vol 4, No 4

Preparation of High Molecular Compounds by the poly-
recombination Reaction, by V. V. Korshak, S. L. Sosin,
M. V. Christiyakova, 10 pp.

RUSSIAN, per, *Vysokomol Soyedin*, Vol I, No 7, 1959,
pp 937-945.

PP

164, 7
X50

Sci

Aug 61

Preparation of Graft Copolymers III.
3. Grafting of Vinyl Monomers to Polyamides,
by V. V. Korshak, K. K. Mozgova, M. A. Shkolina,
et al.

RUSSIAN, per, Vysokomolekulyarnyye Soed., Vol I, No 9.
1959, pp 1364-1368. 9092918

MDF K-208

Sci
Nov 61

173,472

Effect of low Molecular Compounds on the Photochemical
Decomposition of the Polyamide Anide G-669, V. V. Korshak
K. K. Mozgova, 10 pp.

RUSSIAN, per, Vysokomol Soyedin, Vol I, No 7, 1959,
pp 990-997.

DP

7
/64, 452

Sci

Aug 61

Mechanism of the Formation of "Polyaminotriazoles",
by V. V. Korshak, G. N. Chelnokova, M. A. Shkolina,
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5,
1959, pp 929, 930.

CB

Sdi

Jun 61

153, 264

The Influence of Low-molecular-weight Organic Compounds
on the ϵ -polycapramide Photochemical Destruction Process,
by V. V. Korshak, K. K. Mozgova, V. P. Lavrishev, 6 pp.

RUSSIAN, per, Vysokomol Soyedin, Vol I, No 7, 1959,
pp 1159-1163.

PP

538
166, ~~276~~

Sci

Aug 61

The Influence of low-molecular-weight Compounds on the
Photochemical Destruction of the Polyamide Anide G-669,
by V. V. Korshak, K. K. Mozgova, V. P. Lavrishev, 7 pp.

RUSSIAN, per, Vysokomol Soyedin, Vol I, No 7, 1959,
pp 1164-1169.

pp

539
166, ~~277~~

Sci

Aug 61

On the Interaction of Tetraalkyldihydrdisiloxanes
With Bifunctional Unsaturated Compounds, by
V. V. Korshak, A. M. Polyakova, V. M. Vdovin,
V. F. Mironov, A. D. Petrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII,
No 5, 1959, pp 960-963.

CB

Sci - Chem
Sep 60

127,747

Studies in Coordination Chain Polymers
I. The Preparation of Polymers of bis-
(b-Diketones) and Metals, by V. V. Korshak,
Ye. S. Krongauz, et al, 9 pp.

RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol I, No 12, 1959,
pp 1764-1771.

AMTS-10430R

ATC/15-2441

188,894

Sci
Mar 62
Vol IV, No 2

Certain Features of Nonequilibrium Polycondensation, by V. V. Korshak, T. M. Frunze, V. V. Kurashev, A. Yu. ~~Al'ybina~~, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXVI,
No 6, 1959, pp 1270-1273.

Consultants Bureau

Sci

119,507

Jun 60

The Mechanism of Linear Polycondensation, by V. V. Korshak. 72

RUSSIAN, par, Issled v Obi Vysokomolekul. Soedin
Dokl 6-oi Konf Vysokomolekul. Soedin Akad Nauk
SSSR, 1949, pp 3-21.
ATS-4855

V. V. Korshak

Sci
Dec 68

358,727

A Study of the Reactions Provoked by the Gamaleia
IEM Polyvalent Vaccine, by A. S. Korshakova, T. Ye.
Bol'dyrev, A. B. Aleksanian, I. I. Shaifrov, L. V.
Leitman, V. I. Frolov, N. A. Semina, L. Y. Devoino,
V. P. Sizintseva, L. M. Baturina, U. A. Abakarov,
V. P. Grinavtseva, V. Medzhikov, N. A. Korshunova,
5 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i Immunobtol,
Vol XXX, No 11, 1959, pp 37-40.

PP

Sci
Sep 60

127,667

Korshov, V. A.
EFFECT OF AMINAZINE UPON RESPIRATION AND
OXYDIZING PHOSPHORYLATION IN ANIMAL TISSUE.
[1962] [6]p. 8 refs.
Order from OTS or SLA \$1.10

62-14697

Trans. of mono. [Voprosy Eksperimental'noi Patologii]
(Problems of Experimental Pathology) [ed. by] S. N.
Brainin, Moscow, 1959, chap. 23, p. 253-259.

DESCRIPTORS: *Chlorpromazine, Pharmacology, Drugs
*Respiration, Oxidation, *Phosphorylation, Animals,
Tissues (Biology) Adenosine phosphate,

(Biological Sciences--Pharmacology. TT, v. 9, no. 3)

62-14697

- I. Korshov, V. A.
- II. Brainin, S. N.
- III. Title: Problems ...

C227497

Office of Technical Services

Method for Studying of Petroleum Displacement
by Water in a Porous Medium, by I. M. Kosheleva,
M. M. Kuzakov, 14 pp.

RUSSIAN, per, Trudy Moskovskiy Neftyanyy Institut,
Vol XXII, 1958, pp 142-157.

SLA 60-18749

Sci

203, 23-1

Jun 62

Synthesis of Polyalkylacryls. Communication
8. Transarylation of Diphenylmethane, by
O. S. Kolesnikov, V. V. Korshak, T. V.
Smirnova, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1958, pp 767-770.

Consultants Bureau

Sci

Apr 60

112,264